

Suggested Equipment List

This is a list of suggested equipment needed to perform the services outlined in this RFA. Please understand that this list is not exhaustive, nor is an agency required to purchase any or all of the items on this list.

FURNACE TECHNICIAN TOOL LIST

SPECIALITY TOOLS AND TEST EQUIPMENT

- 1 Digital monometer
- 1 Water monometer
- 1 Digital Carbon Monoxide Tester
- 3 Large Dial (1-3/4 inch dia.) Thermometers to 220F
- 1 Pocket thermometer, 50F to 550F degrees
- 1 Gas Leak Detector Fluid
- 1 Tif 8800 Gas Leak Detector
- 1 Volt/Ohm/Amp Meter, 0 to 10 amps A.C. (clamp-on or series)
with alligator clip attachments
- 1 Stopwatch
- 1 Telescoping Inspection Stainless Steel Mirror
- 1 Calculator
- 1 Asbestos Rated Respirator
- 1 Combustion analyzer with Cracked Heat Exchanger Test

Building Shell Equipment List and Resources

Insulation Truck and Equipment

- ☐ Cube truck with large box (18 – 20 foot box) with side door on passenger side - Crew cab holds at least 4 passengers, short turning radius, available in diesel
- ☐ Insulation blowing machine - small (283 lbs), or similar size & weight machine (two machines for a 3-4 man crew) fiberglass - 428 lbs/hour, cellulose - 2012 lbs/hour
- ☐ Insulation blowing machine - large(846 lbs) fiberglass 1000 lbs/hour, cellulose 3000 lbs/hour, power requirements, single input 30 amp/240 volts/60Hz or double input 20 amp and 30 amp 120/60Hz
- ☐ Customized shelving out of plywood for best utilization of equipment and storage, utilize vertical space
- ☐ Hose reel or homemade rack for hose storage
- ☐ Generator

Tool List for Insulating

- ☐ Generator (Large machines require 15,000 running watts, 22,500 surge watts) Large generator — 30 HP, 22,500 Watt, Gasoline, Model# 04582 is large enough
- ☐ 8 Gauge Extension Cords - 50 feet or greater to use house electricity
- ☐ 10 Gauge Extension Cords for distances less than 50 feet
- ☐ 220 Converters (“turtles”) for electric dryer or kitchen range.
- ☐ ½” electric drill with clutch, self feeding wood bits and hole saws to match wood plug sizes (2” to 2-1/2”), extensions, etc.
- ☐ Drill shroud and HEPA vacuum (lead based paint work)

- ☐ 100'+ 3" corrugated hose at take off (machine)
- ☐ 1+ 3" to 2-1/2" reducer
- ☐ 25' - 50' 2-1/2" corrugated hose
- ☐ 1+ 2-1/2" to 2" reducer
- ☐ 10' 2" corrugated hose
- ☐ 1+ 2" to 1-1/4" reducer (RIDGID vacuum blower
Nozzle, part number VT2506 available @
<http://www.ridgidparts.com/accessories/>)

- ☐ Various 10' fill tube (size appropriate for wall cavity/type,
exterior vs. interior blow weather conditions and
temperature), (markings every ft. on the crown of the fill tube) winter/summer
fill tubes or poly pipe

- Recommended sizes:
1" I.D. x 10' poly pipe for difficult cavities (sprinkler pipe)
1-1/4" I.D. Summer Fill Tube
1-1/4" I.D. Winter Fill Tube

Auditor Equipment List

Ladders: Step, Extension, Collapsible
 Tape Measure
 Infrared Non-Contact Thermometer or IR camera
 Digital Camera
 LED Flashlights, Headlamp
 Measuring Wheel or 100' Measuring Tape
 Blower Door
 Digital monometer
 Smoke Puffer/Stick/Pencil
 Pressure Pan/Duct Register Masking Tape
 Gas Leak Detector
 Optical Probe or Boroscope
 Stainless Steel Inspection Mirror
 Multi-meter
 Branch Circuit/Voltage Drop Analyzer
 Probe Thermometer
 Digital CO Detector and/or Combustion Analyzer
 Voltage Sniffer
 Drill, battery operated
 2" Hole Saw, Speed Bore
 Knee Pads
 Laptop, PDA
 Flat Bar
 First Aid Kit